Name_____ Date_____ Period_____

**LESSON 8-3 · SESSION 2 · PREREQUISITE PRACTICE B · SKILL 1 OF 2**

# Solve Multiplication Equations

Builds on Lesson 8-3 Session 1 · 6.EE.B.7

| | |
|---|---|
| **TODAY'S LESSON** | To solve $k \div 9 = 7$, you multiply both sides by 9. Session 1 did the opposite. |
| **YOU NEED TO** | Solve a multiplication equation like $8m = 152$ by dividing both sides. **You will use it in Practice Form A, problems 1 and 4.** |

## STEPS TO FOLLOW

*use these same steps on every problem*

1. **Name** the number multiplied by the letter.
2. **Divide** both sides by that number.
3. **Check**: multiply your answer by that number.

## WATCH ME

*the steps in action*

**Solve $8m = 152$.**

**Step 1** $m$ is multiplied by 8.

**Step 2** $m = 152 \div 8 = 19$.

**Step 3** $8 \times 19 = 152$. It checks.

**Answer** $m = 19$

## TRY IT WITH HELP

*fill in each step*

**1.** Solve $5x = 35$.

**Step 1** $x$ is multiplied by _____.

**Step 2** $x = 35 \div 5 =$ _____.

**Step 3** $5 \times 7 =$ _____. It checks.

**2.** Solve $12y = 96$.

**Step 1** $y$ is multiplied by _____.

**Step 2** $y = 96 \div 12 =$ _____.

**Step 3** $12 \times 8 =$ _____. It checks.

## YOUR TURN

*use the steps on your own*

**3.** Solve each equation.

**a.** $9n = 108$ _____ **b.** $4k = 92$ _____ **c.** $15b = 75$ _____

**d.** $20d = 340$ _____ **e.** $11e = 132$ _____ **f.** $6c = 84$ _____

# Write Division Equations

Builds on Lesson 8-1 Session 2 · 6.EE.B.6

| | |
|---|---|
| **TODAY'S LESSON** | $s$ slices shared by 5 tables, 12 slices each, becomes $s \div 5 = 12$. |
| **YOU NEED TO** | Write total ÷ groups = one share for a sharing story. **You will use it in Practice Form A, problems 2, 6 and 7.** |

## STEPS TO FOLLOW

*use these same steps on every problem*

1. Use a **letter** for the whole total.
2. Find the number of **groups** and one share.
3. **Write** letter ÷ groups = one share.

## WATCH ME

*the steps in action*

**A bag of nuts is split evenly among 8 friends. Each gets 6 ounces.**

**Step 1** Let $b$ = the ounces in the whole bag.

**Step 2** 8 friends. 6 ounces each.

**Step 3** $b \div 8 = 6$.

**Answer** $b \div 8 = 6$

## TRY IT WITH HELP

*fill in each step*

**4.** Some stickers are split evenly among 7 pages. Each page gets 12. Use $s$.

**Step 1** Let _____ = all the stickers.

**Step 2** _____ pages. 12 stickers each.

**Step 3** Equation: _____

**5.** A pan of brownies is cut evenly for 10 kids. Each kid gets 3. Use $b$.

**Step 1** Let _____ = all the brownies.

**Step 2** 10 kids. _____ brownies each.

**Step 3** Equation: _____

## YOUR TURN

*use the steps on your own*

**6.** Write an equation. Use the letter given.

**a.** $m$ markers, 5 students, 8 each _____

**b.** $c$ crayons, 4 boxes, 24 each _____

**c.** $p$ pages, 6 days, 15 each day _____

**d.** $t$ tiles, 9 rows, 11 each _____

## READY CHECK

*a problem like the one in today's lesson*

**7.** A pan of $b$ brownies is shared by 6 kids. Each gets 4. Which equation fits?

**A** $6 \div b = 4$ **B** $b \div 6 = 4$ **C** $b - 6 = 4$ **D** $4b = 6$

**CHECK YOURSELF** ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____